Looking at things in a whole new light

High-def, uniform light, maximum intensity

By Designs for Vision Staff

Designs for Vision is introducing an advanced photonic design that provides uniform light distribution with maximum intensity. The patent pending headlights optically focus the light from the LED to provide 45 percent more light with uniform distribution.

The new LED DayLite® Micro HD™ uses the new high-definition imaging in an ultra-lightweight headlight in combination with the new Micro power pack. According to the company, the Micro is the market’s lightest and smallest power pack. The complete unit includes two power packs, and each power pack can run up to 10 hours.

Designs for Vision also has added high-definition imaging to the LED DayLite WireLess Mini HDi, providing a lightweight cordless solution with light intensity comparable to many corded headlights. You can choose high-definition imaging with either a wired or wireless design to meet your preference, and either HDi headlight will illuminate the entire oral cavity.

Designs for Vision’s WireLess headlights free you from being tethered to a battery pack. The simple modular designs uncouple the headlights from a specific frame or single pair of loupes. Prior technology married a cordless light to one pair of loupes via a cumbersome integration of the batteries and electronics into the frame. The compact design of the LED DayLite WireLess headlights are independent of any frame/loupes.

Designs for Vision is also featuring the "REALITY five-star-rated" Micro 3.5EL Scopes, which use an innovative optical design that reduces the size of the prismatic telescope by 50 percent and reduces the weight by 40 percent — while providing an expanded-field, full-oral-cavity view at 3.5x magnification.

Building on an established award-winning design, the newest addition to the Micro Series line is the Micro 4.5EL Scopes, which reduce both the size and weight of the telescopes by 44 percent.

New location

Designs for Vision has expanded into a new 67,500-square-foot location at 400 Veterans Memorial Highway in Bohemia, N.Y. You can visit www.DesignsForVision.com/move.htm to check out some photos of the new facility.

You can see the Visible Difference® yourself at the Chicago Midwinter Dental Meeting by visiting Designs for Vision’s booths, Nos. 2602 or 4421. Or you can arrange a visit in your office by contacting the company at (800) 345-4009 or via info@dvimail.com.
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Let’s change dentistry together
Open and say ahhhhhh

New MICRO-TOUCH DENTA-GLOVE series designed for dentistry

By Ansell Staff

Ansell, a global leader in protection solutions and maker of the popular Microflex® and MICRO-TOUCH® examination gloves has launched its MICRO-TOUCH® DENTA-GLOVE® series, a highly-diversified portfolio of dental examination gloves, which according to the company outperform the competition.

MICRO-TOUCH DENTA-GLOVE is the first series of examination gloves developed specifically for the needs of dental professionals, according to Ansell.

Certified for use in oral examinations

All products in the series are certified for use in oral examinations for patient safety and peace of mind and are designed with the most advanced film technologies to meet the unique and demanding needs of the dental profession, the company asserts.

The products are tested for bio-compatibility, and some feature inner coatings to promote hand health.

For more details about MICRO-TOUCH DENTA-GLOVE examination gloves or to request a free sample, you can visit www.ansell.com/DentaGlove.

(Source: Ansell/Microflex)

Compact, 5-axis milling machine designed specifically for IPS e.max

Ivoclar Vivadent launches self-contained PrograMill One

By Ivoclar Vivadent Staff

Ivoclar Vivadent has released the PrograMill One milling machine, the compact, 5-axis milling machine designed to mill beautiful, esthetic IPS e.max® restorations.

According to the company, the design enables high precision and convenience, in part because it’s a self-contained milling system. This distinguishes it from mills that require separate filtration or suction units.

PrograMill One is wireless, which enables it to be positioned anywhere within the practice. It can be controlled using the mill’s corresponding app on a tablet or smartphone. An LED light ring visually informs the user about the current processing status.

The company reports that an innovative rotary grinding process, referred to as 5XT, produces shorter duration of the milling process and minimal tool wear. A camera integrated within the mill automatically records all data on material and tool use. The results, according to the company, mean that material management is more expedient.

“5XT technology completely re-writes what milling machines are capable of in relation to machining times and superior outcomes,” said Robert Ganley, CEO of Ivoclar Vivadent. “The results are restorations with exceptional surface quality and excellent accuracy of fit. PrograMill One is an innovative addition to our line of Ivoclar digital products, representing a significant leap in the future of dental technology.”

PrograMill One’s seamless integration between wireless app and machinery — combined with the auto connection capabilities with intraoral-scanning partners such as 3Shape Trios — make it an unequaled asset for dental professionals seeking simpler milling methods and increased efficiency, the company asserts.

About Ivoclar Vivadent

Ivoclar Vivadent is a global leader in materials and processes for esthetic dentistry. The company employs more than 3,500 people and operates in more than 120 countries. Ivoclar Vivadent is headquartered in Schaan, Liechtenstein. Its North American headquarters is based in Amherst, NY.

(Source: Ivoclar Vivadent)
DESIGNS FOR VISION introduces HDi™
High Definition Imaging

NEW HIGH DEFINITION IMAGING - HDi
Advanced photonic design perfectly images LED for uniform light distribution with 45% more light

LED DayLite® WireLess Mini™
Totally WireLess Headlight - No wires, no battery pack
Lightweight Modular Design - Weighs only 1 oz. and can be worn on your choice of eyewear
27,000 lux intensity
Now available with HDi™ - Uniform light distribution with maximum intensity

& NEW LED DayLite® Micro
High Definition Imaging – HDi
Uniform LED light distribution with maximum intensity
Simple One-Touch operation:
60,000 lux high intensity
34,000 lux medium intensity
Lightest weight power pack (2.5 oz.) with up to 10 hr run time per pack and Robust USB

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DESIGNS FOR VISION
While caring for their patients, dental and health care professionals are constantly exposed to bodily fluids that may carry viruses and other infectious agents. It is therefore critical that the gloves these professionals use provide the best possible barrier protection.

Many types of gloves are available today, but it is important to know that not all gloves have the same barrier capability, depending on the type of material used. For example, natural rubber latex gloves have long been acknowledged for their very effective barrier properties, while non-latex gloves, such as vinyl (polyvinyl chloride), have inferior barrier capability as shown by numerous studies.

Quality, safety top priorities
Other synthetic gloves, such as nitrile and polysisoprene, perform much better than vinyl but are more costly, especially polysisoprene gloves. Using gloves with inferior capability could expose both the patient and user to harmful infections. Malaysia is the world’s largest medical gloves exporter (latex and nitrile). Both quality and users’ safety are of top priority to the nation’s glove industry. To this end, a quality certification program (the Standard Malaysian Glove, or the SMG) has currently been formulated for latex examination gloves.

All SMG-certified gloves must comply with stringent technical specifications to ensure the gloves are high in barrier effectiveness, low in protein and low in allergy risks, in addition to having excellent comfort, fit and durability — qualities that manufacturers of many synthetic gloves are trying to achieve.

Natural, sustainable resource
Latex gloves are green products, derived from a natural and sustainable resource, and are environmentally friendly (You can learn more online by visiting www.smgonline.biz or www.latexgloves.info). The use of low-protein, powder-free gloves has been demonstrated by many independent hospital studies to markedly reduce the incidence of latex sensitization and allergic reactions in work-places.

More important, latex-allergic individuals donning non-latex gloves can now work alongside their coworkers wearing the improved low-protein gloves without any heightened allergy concern. However, for latex-allergic individuals, it is still important they use appropriate non-latex gloves, such as quality nitrile and polysisoprene gloves, which provide them with effective barrier protection.

Extensive array of brand, prices
Selecting the right gloves should be an educated consideration to enhance safety for both patients and users. For decades, gloves made in Malaysia have been synonymous with quality and excellence, and they are widely available in an extensive array of brands, features and prices. They can be sourced either factory direct (www.mrep.com/marketplace) or from established dental products distributors in the United States and Canada.

(Source: Malaysian Rubber Export Promotion Council)
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Malaysia is the largest source for U.S. imports of natural and synthetic rubber gloves as reported in tariff and trade data by the U.S. Department of Commerce and the U.S. International Trade Commission.

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Dental Tribune U.S. Edition | February 2018

### INDUSTRY NEWS

**Orascope wins three Cellerant best-of-class technology awards**

By Orascope Staff

In 2017, Orascope made history by becoming the first company to win three Cellerant Best of Class Technology awards.

The Spark™ cordless headlight, Ease-In Shields™ and the new OmniOptic™ interchangeable loupe system all stood out in ways that set the products apart from others in the industry.

With a legacy of setting the standard for quality craftsmanship and introducing transformative products to the medical vision industry, Orascope is proud to be recognized for its advanced product performance and clinician-first features.

The company’s goal for the three products is that they will help bring the world closer to the day when every health-care procedure will be performed with superior visualization and under ideal ergonomic conditions to drive the best patient outcomes. Orascope asserts that it believes fully in this vision.

Orascope will be displaying the three award-winning products — as well as the rest of its extensive line of loupes and headlights — at major dental shows to enable attendees to see and test the equipment for themselves.

At the Chicago Dental Society Midwinter Dental Meeting, Orascope will be located in booth No. 1203. Attendees can stop by the booth or visit www.Orascope.com to learn more about the company’s products, which focus on magnification, illumination and ergonomics.

![Orascope’s Spark cordless headlight, OmniOptic interchangeable loupe system and Ease-In Shields are all winners of Cellerant Best of Class Technology awards.](Photo/Provided by Orascope)

**‘Uni-Verse-All’ positioner holds any size sensor**

Digital X-rays are changing how you manage patient diagnostics. But while digital is faster and easier to use, it poses some unique challenges too. Sensor positioning is one such challenge. Unlike film, sensors are rigid and thick. And unlike film, there is no standard size to a “size-2” sensor. All this makes finding a quick and easy way to position your sensor somewhat more difficult than when you were using film.

With Flow Dental’s new Uni-Verse-All positioner, you could take every imaginable X-ray while using only one positioner and one aiming ring. Sounds impossible, yet Flow’s Uni-Verse-All sensor positioner does just that. It will hold just about any size sensor. The Uni-Verse-All sensor holder lets you reposition the sensor along the bite plane so you can go from a periapical to a bite wing in seconds, and without changing parts.

The Uni-Verse-All is easy to use and set up is fast, according to the company. You choose from two sizes of sensor holders (both included in Flow’s starter kit). You then snap the sensor holder into the Uni-Verse-All positioner and slide on the aiming ring. Just like that you’re ready. Move the holder down for anterior or periapicals, up for bite wings. Lightweight for added patient comfort, Uni-Verse-Alls are reusable and autoclavable. A starter kit with everything you need retails for less than $57.

For more information, or to order, you can contact your local dealer or visit www.FlowDental.com.

(Source: Flow Dental)
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1 Images courtesy Brian T. Wells, DMD
2 Sigurdsson A et al. (2016) J Endod, 42(10); 1140-48
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V-Posil Mono-Fast extends line of V-Posil precision VPS impression materials

By VOCO Staff

After the successful introduction of V-Posil tray and wash impression materials, VOCO is expanding its V-Posil line with a monophase viscosity in V-Posil Mono-Fast.

V-Posil Mono-Fast, as with the rest of the V-Posil viscosities, offers optimized timing that provides up to two minutes of adjustable working time as well as an abbreviated two-minute thermo-activated set time. According to VOCO, V-Posil provides exceptional tear strength and elastic recovery (99.6 percent) to ensure dimensional accuracy of the impression after its removal.

Post-set hydrophilicity ensures more accurate stone models
Lab technicians will appreciate V-Posil’s unique post-set contact angle of less than six degrees (<6°), providing a post-set hydrophilicity that ensures more accurate stone models for better fitting restorations, VOCO asserts.

Indicated for wide variety of procedures, situations
This VPS material is indicated for taking impressions over fixed/removable restorations and implants (i.e., transferring impression posts and bridge components), functional impressions, fabricating crown and bridgework or inlays, fabricating full or partial dentures, relining impressions, transferring root posts when fabricating posts and cores indirectly, multi-tray, simultaneous as well as the putty-wash technique.

The material is available in 50 ml cartridge refills and in the 380 ml automix “Dynamic Dispenser” cartridge.

Contact VOCO
To learn more about V-Posil Mono-Fast and other VOCO products, you can contact VOCO at www.vocoamerica.com, (888) 658-2584 or infousa@voco.com.